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(54) **CHIP ASSEMBLY FOR REUSABLE SURGICAL INSTRUMENTS**

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See application file for complete search history.

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(57) **ABSTRACT**

A chip assembly for use in a surgical stapler is provided. The chip assembly includes a housing assembly and a plug assembly. The housing assembly includes a base member, seal member, and a circuit board assembly. The base member defines a cavity for receipt of the circuit board assembly and the seal member is configured to be received about an open end of the base member. The plug assembly is configured to selectively engage the open end of the base member. The plug assembly includes a plug member and first and second contact members extending from the plug member. The first and second contact members are configured to be received within the cavity defined by the base member and engage the circuit board assembly when the plug assembly engages the housing assembly.

14 Claims, 12 Drawing Sheets

